LMS Technical Requirements
DRAFT 11/18/03

Technical Requirement	DOH Staff Priority	Currently in DOH product
Security, Infrastructure & System Integration (some of these requirements are dependent upon the network infrastructure and capability of the servers)		
Security Authorization & Authentication Identification	**1**	**X**
An auditing mechanism shall be implemented to track security and system administration actions of the system	**1**	
The LMS system shall be able to be configured and optimized in either a Microsoft Windows or any other appropriate operating system environment	**1**	**X**
The end-user and the systems administrator shall be able to access all LMS functions using Microsoft's Internet Explorer Web Browser (Version 4.01) or Netscape Web Browser (Version 4.7) without any customization	**1**	**X**
The LMS shall be able to operate with the complete feature set within the constraints of a 56kbps or other connection, with download capability specification	**1**	**X**
The LMS shall facilitate planning and monitoring of the training budgets at all levels	**1**	
The LMS architecture shall support both real-time or batch interface to other HR systems	**1**	
The LMS must be capable of future customization that results in a direct connection to other SQL, Oracle, and ODBC compliant databases	**2a**	**X**
Performance Capacity		
The system shall allow a total number of no less than (e.g. 60,000 or provide a number _____) total users.		**X**
The system shall support (e.g. 5,000 or provide a number _____) concurrent sessions without degradation in overall performance.	**1**	**X**
At a minimum, the LMS shall handle the estimated training load of (e.g. 900,000 or provide a number _____) separate training incidences per year.	**1**	**X**
Tracking of bandwidth utilization	**1**	**X**
User Interface		
The LMS application shall follow standard usability objectives including, easy-to-learn, efficient to use, with a logical content structure, page layout and use of media elements. Refer to http://www.usability.gov	**1**	
The LMS application shall include the ability to customize the look and feel including elements that brand the product.	**1**	
The LMS application shall have the ability to allow the customization of HTML components including, data labels (e.g. buttons), web forms, tables and frames..	**1**	
Data Currency & Recoverability		
The LMS shall be compatible with State DOP HR System so that the LMS is automatically populated with employee information that includes relationship to appropriate supervisor, email addressing, etc..	**1**	
The LMS shall maintain current and past employee data and their training history records.	**1**	
The deployment of the LMS shall conform to standard HHS disaster recovery plan protocols already in production, including scheduled tape back ups and off site storage.	**1**	
The system should have the ability to archive and retrieve information about training shall be retained for employees for the length of their career and for seven (o*r the required number of years*) after employment with HHS*.*	**1**	

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Standard Compliance		
The LMS system shall conform to the base Aviation Industry CBT Committee (AICC) standards. Conformity to the emerging API standard is desired.	1	
LMS system shall be currently or is currently on the development path to conform to the Advanced Distributed Learning (ADL) groups Shareable Content Object Reference Model (SCORM) version 1.2.	1	
The LMS shall conform to federal government 508 compliance guidelines.	1	